

MODULAR PLASTIC CONVEYOR BELT WITH HIGH BEAM STRENGTH

Abstract

A modular plastic conveyor belt having a central beam along each belt row. The beam extends laterally across the width of a belt row and includes a linear portion in a middle region of the belt and a sinuous region near both side edges of the belt. In the linear region, the beam includes a portion of constant thickness with linearly tapering portions toward the side edges of the belt. In this way, the thicker portions of the beam in the middle of the belt provide beam strength to allow less frequent support beneath the belt and the thinner sinuous portions at the edges of the belt give it the flexibility and mobility to collapse at the inside of a turn.